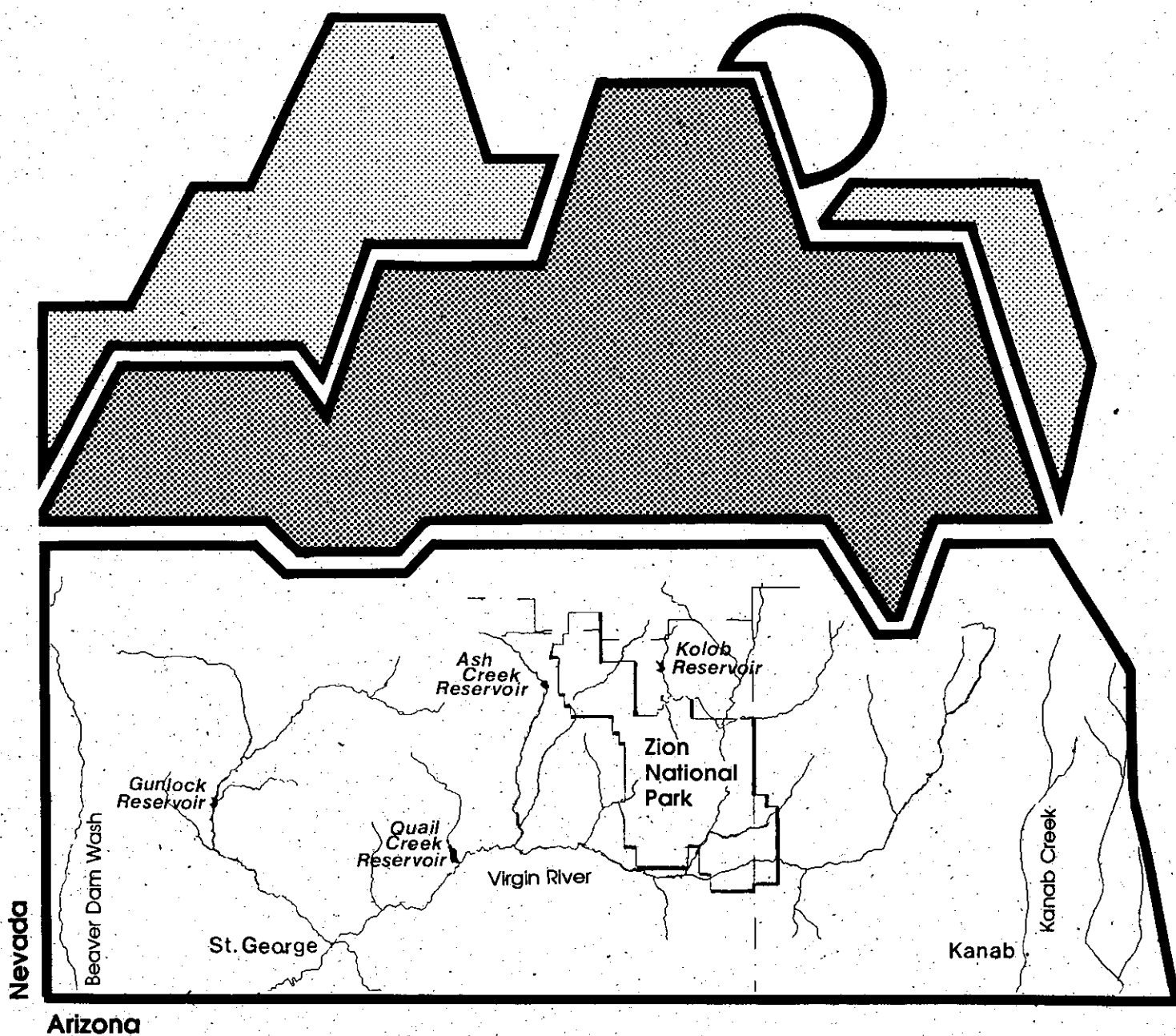


Utah State Water Plan

Kanab Creek/Virgin River Basin

August 1993



■ State Water Plan - Kanab Creek/Virgin River Basin

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State Water Plan
Kanab Creek/Virgin River Basin

Utah Board of Water Resources
1636 West North Temple
Salt Lake City, UT 84116

August 1993

Section 1 Foreword

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1

Foreword

A *State Water Plan*, prepared and distributed in early 1990, provided the foundation and overall direction to establish and implement the state policy framework of water management.

As a part of the state water planning process, more detailed plans are prepared for each of the 11 hydrologic basins in the state. The Kanab Creek/Virgin River Basin is one of these plans. This hydrologic basin plan will identify potential conservation and development projects and describe alternatives to satisfy the problems, needs and demands. Final selection of alternatives will rest with local decision makers.

In earlier drafts, use of the name Lower Colorado River Basin caused some confusion. This name is construed by many to mean the Colorado River below Lee Ferry to its terminus. To avoid further confusion, the Johnson Wash, Kanab Creek and Virgin River drainages in Utah will be called the Kanab Creek/Virgin River Basin.

Planning needs the active participation of all concerned entities and their response to issues. The success of this planning process is enhanced through public involvement, resulting in broader support to implement recommendations.

Within the broad responsibility to enhance the quality of life and general welfare of its citizens, the state of Utah has a specific obligation to plan for and encourage the use of resources in a manner that best serves their physical, environmental and social needs.

1.1 Acknowledgement

The Board of Water Resources gratefully acknowledges the dedicated efforts of the State Water Plan Steering Committee and Coordinating Committee in preparing the Kanab Creek/Virgin River Basin Plan. This work was spearheaded by the planning staff in the Division of Water Resources, with valuable assistance from individual coordinating committee members representing state agencies with water-related missions. Their high standards of professionalism and dedication to improving Utah's natural resources base are essential ingredients of this basin plan.

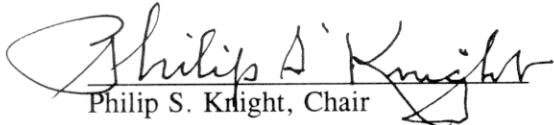
We also appreciate input from representatives of state and federal

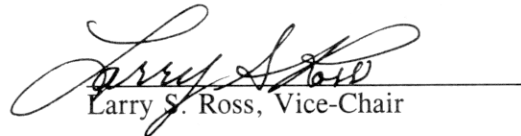
cooperating entities, the statewide local advisory group and the basin planning advisory group which brought expertise from a broad spectrum of Utah's population.

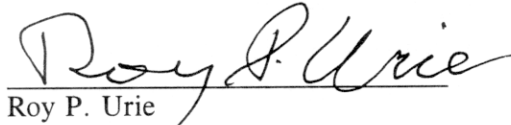
In addition, we extend sincere thanks to those who attended meetings and provided oral and written comments on the Kanab Creek/Virgin River Basin Plan. Public input

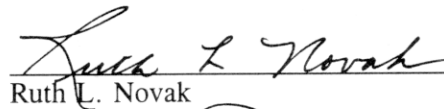
in the water planning process is imperative to successful use of this resource.

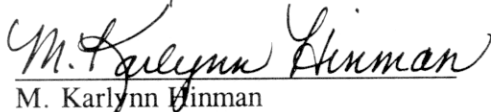
In endorsing this plan, as was the case with the *January 1990 State Water Plan*, we reserve the right to consider water projects on their own merits. This basin plan is an important guide for water development in the Kanab Creek/Virgin River Basin. ■

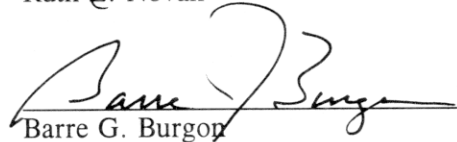

Philip S. Knight, Chair

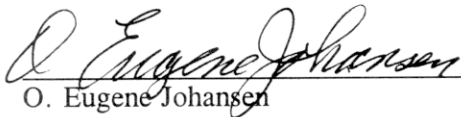

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Clark J. Wall

1.2 Abbreviations/Acronyms

Many names, titles, programs, organizations, legislative acts, measurements and activities are abbreviated to reduce the volume of words and simplify communications. A few of the commonly used abbreviations in the Kanab Creek/Virgin River Basin Plan are shown in this section.

1.2.1 Federal Agencies

ASCS	Agricultural Stabilization and Conservation Service
BLM	Bureau of Land Management
Corps	Corps of Engineers
EDA	Economic Development Administration
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FWS(USFWS)	Fish and Wildlife Service
GS(USGS)	Geological Survey
NPS(NP)	National Park Service
SCS	Soil Conservation Service
USDA	United States Department of Agriculture
WRD	Water Resources Division (Geological Survey)

1.2.2 State and Local Organizations

CEM	Comprehensive Emergency Management
KCWCD	Kane County Water Conservancy District
MCD(MCPD)	Multi-County Planning District
SCC	Soil Conservation Commission
UP&L	Utah Power and Light
UWQB	Utah Water Quality Board
WCWCD	Washington County Water Conservancy District

1.2.3 Programs/Acts

ACP	Agricultural Conservation Program
ARDL	Agricultural Resource Development Loan
CRP	Conservation Reserve Program
CRSC	Colorado River Salinity Control
CWA	Clean Water Act
ECP	Emergency Conservation Program
ISA	Instant Study Area (WSA Act)
LWCF	Land and Water Conservation Fund
NFIP	National Flood Insurance Program
NPDES	National Pollution Discharge Elimination System
NPS	Non-point Source Pollution

RC&D	Resource Conservation and Development
SCORP	State Comprehensive Outdoor Recreation Plan
SDWA	Safe Drinking Water Act
UCA	Utah Code Annotated
UWPCA	Utah Water Pollution Control Act
WSA	Wilderness Study Area Act

1.2.4 Measurements

Ac	Acre
Ac-Ft	Acre-feet
AUM	Animal Unit Months
cfs	Cubic Feet per Second
Ft	Feet
GPCD	Gallons Per Capita Day
mg/l	Milligram per Liter
pH	Acidity of soils
TDS	Total Dissolved Solids
Yd ³	Cubic Yards

1.2.5 Other

ATV	All-Terrain Vehicle
BMP	Best Management Practice(s)
FIRE	Finance, Insurance and Real Estate
M&I	Municipal and Industrial
RV	Recreation Vehicle
TCPU	Transportation, Communications and Public Utilities
W&S	Wage and Salary
UPED	Utah Process Economic and Demographics